

Certificate of Technical Specifications


portinari

ambientes com emoção

PRODUCT: MUNICH SGR HARD
 FORMAT: 1000.0 X 1000.0mm X 9 mm
 CONTAINS: 2 Pieces 2,00 m² 21,53 SQFT
 GROUP: Bla

| Technical Characteristics | ISO | Req. | Unit | Specification |
|--|----------|------------------|-------------------|---------------|
| DIM. VAR. IN REL. W. OF THE GREATER SIDE | 10545-2 | ±1.0 | mm | ±1.0 |
| DIM. VAR. IN REL. W. OF THE MINOR SIDE | 10545-2 | ±1.0 | mm | ±1.0 |
| THICKNESS VARIATION | 10545-2 | ±0.45 | mm | ±0.45 |
| STRAIGHTNESS OF THE GREATER SIDE | 10545-2 | ±0.80 | mm | ±0.80 |
| STRAIGHTNESS OF THE MINOR SIDE | 10545-2 | ±0.80 | mm | ±0.80 |
| DEVIATION FROM ORTHOGONALITY OF THE GREATER SIDE | 10545-2 | ±1.50 | mm | ±1.50 |
| DEVIATION FROM ORTHOGONALITY OF THE MINOR SIDE | 10545-2 | ±1.50 | mm | ±1.50 |
| CENTRAL DIAGONAL CURVATURE DEVIATION | 10545-2 | ±1.80 | mm | ±1.80 |
| DEVIATION OF THE CURVATURE OF THE SIDES | 10545-2 | ±1.80 | mm | ±1.80 |
| DEVIATION OF THE CURVATURE OF THE SIDES | 10545-2 | ±1.80 | mm | ±1.80 |
| BENDING OVER DIAGONAL | 10545-2 | ±1.80 | mm | ±1.80 |
| QUALITY OF SURFACE | 10545-2 | ≥95 | % | ≥95 |
| WATER ABSORPTION | 10545-3 | ≤0.5 | % | ≤0.5 |
| RESISTANCE TO BENDING | 10545-4 | ≥35 | N/mm ² | ≥35 |
| BREAKING STRENGTH | 10545-4 | ≥1300 | N | ≥1300 |
| CLASS OF USAGE | | Specify | Use | 6 |
| THERMAL SHOCK RESISTANCE | 10545-9 | - | - | - |
| LINEAR EXPANSION COEFFICIENT X 10 ⁻⁶ | 10545-8 | - | °C ⁻¹ | - |
| MOISTURE EXPANSION | 10545-10 | - | mm/m | ≤0.30 |
| GRAZING RESISTANCE | 10545-11 | - | - | OK |
| RESISTANCE TO CHEMICALS | 10545-13 | Minimum Class GB | - | GA |
| RESISTANCE ATTACKS ACID/ALKALINE | 10545-13 | Specify | - | GLB |
| SURFACE RESISTANCE TO STAINS | 10545-14 | Minimum Class 3 | - | 4 |
| COEFFICIENT OF FRICTION WET | NBR16919 | Specify | | ≥0.50 |
| CHANGES IN HUE | | | | V3 |

Note: Product in accordance with ABNT NBR 13006 standard
 Reaction to fire evaluation (NBR15575): Class I (non-combustible)
 USE 6 – All residential and commercial areas with intense traffic.


 Jamilson Pinter Júnior
 Responsável Técnico RC1 e RC2


 Galdino da Luz
 Responsável Técnico RC3 e RC4